

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL	Drinking Water MCL	Recreational RSL	Aquatic Acute	Aquatic Chronic	Irrigation	Livestock	Location	MECT	MECT
										Sample ID	MECT-081015-11	MECT-081115-11
										Date	8/10/2015	8/11/2015
										Sample Time	14:15	13:45
										Latitude	37.21846	37.21846
										Longitude	-109.19081	-109.19081
Metals, Dissolved												
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	1.3	0.83 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	85	68
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	170000	48000
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	0.45	0.75
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	3 J+	1.9
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	< 0.06 U	0.14 J
Magnesium, Dissolved	7439-95-4	ug/L								--	71000	5400
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	1.8 J	2.2 J
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L								--	3.1 J-	1.7 J
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	3.8	1
Potassium, Dissolved	7440-09-7	ug/L								--	5500	2800
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	< 0.58 U	1.4 J
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	70000	28000
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	2.6	1.6
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	< 2.8 U
Metals, Total												
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	9800	3000
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	4.5	2.8

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Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	Barium, Total	7440-39-3
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	Beryllium, Total	7440-41-7
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	Cadmium, Total	7440-43-9
Calcium, Total	7440-70-2	ug/L								--	Calcium, Total	7440-70-2
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	Chromium, Total	7440-47-3
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	Cobalt, Total	7440-48-4
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	Copper, Total	7440-50-8
Iron, Total	7439-89-6	ug/L	601000		601000					--	Iron, Total	7439-89-6
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	Lead, Total	7439-92-1
Magnesium, Total	7439-95-4	ug/L								--	Magnesium, Total	7439-95-4
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	Manganese, Total	7439-96-5
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	Mercury, Total	7439-97-6
Molybdenum, Total	7439-98-7	ug/L								--	Molybdenum, Total	7439-98-7
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	Nickel, Total	7440-02-0
Potassium, Total	7440-09-7	ug/L								--	Potassium, Total	7440-09-7
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	Selenium, Total	7782-49-2
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	Silver, Total	7440-22-4
Sodium, Total	7440-23-5	ug/L								--	Sodium, Total	7440-23-5
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	Thallium, Total	7440-28-0
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	Vanadium, Total	7440-62-2
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	Zinc, Total	7440-66-6
<b>General</b>											<b>General</b>	
Alkalinity	STL00171	mg/L								--	Alkalinity	STL00171
pH	STL00204	SU								--	pH	STL00204
Total Dissolved Solids	STL00242	mg/L								--	Total Dissolved Solids	STL00242
Total Hardness	STL00009	mg/L								--	Total Hardness	STL00009
Total Suspended Solids	STL00161	mg/L								--	Total Suspended Solids	STL00161

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

**Bold - Bolded**

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J - Data Estima

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PQL - Practica

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mg/L - Parts p

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

ug/L - Parts p

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 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Units	PCL	Drinking Water MCL	Recreational RSL	Aquatic Acute	Aquatic Chronic	Irrigation	Livestock	Location	MECT	MECT	SJ4C	SJ4C
								Sample ID	MECT-081015-11	MECT-081115-11	SJ4C-081015-11	SJ4C-081115-11
								Date	8/10/2015	8/11/2015	8/10/2015	8/11/2015
								Sample Time	14:15	13:45	15:05	9:52
								Latitude	37.21846	37.21846	36.99622	36.99622
								Longitude	-109.19081	-109.19081	-109.00468	-109.00468
ug/L	3348			8358	3348	5000		--	< 24 U	< 24 U	<b>28 J</b>	<b>25 J</b>
ug/L	6	6	129					--	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U
ug/L	2.15	10	2.15			100	200	--	<b>1.3</b>	<b>0.83 J</b>	<b>1</b>	<b>1.2</b>
ug/L	2000	2000	34900					--	<b>85</b>	<b>68</b>	<b>68</b>	<b>65</b>
ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
ug/L								--	<b>170000</b>	<b>48000</b>	<b>48000</b>	<b>46000</b>
ug/L	100	100		972	126	100	1000	--	< 1 U	< 1 U	< 1 U	< 1 U
ug/L	50		3130			50	1000	--	<b>0.45</b>	<b>0.75</b>	<b>1.3</b>	<b>2.5</b>
ug/L	16	1300	8580	25	16	200	500	--	<b>3 J+</b>	<b>1.9</b>	<b>2.4 J+</b>	<b>2.5</b>
ug/L	601000		601000					--	< 17 U	< 17 U	<b>68</b>	< 17 U
ug/L	5	15		130	5	5000	100	--	< 0.06 U	<b>0.14 J</b>	<b>0.077 J</b>	<b>0.094 J</b>
ug/L								--	<b>71000</b>	<b>5400</b>	<b>5700</b>	<b>4900</b>
ug/L	200		2550	3710	2050	200		--	<b>1.8 J</b>	<b>2.2 J</b>	<b>3.1</b>	<b>4.6</b>
ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
ug/L								--	<b>3.1 J-</b>	<b>1.7 J</b>	<b>1.9 J-</b>	<b>2</b>
ug/L	90		7870	813	90	200	1000	--	<b>3.8</b>	<b>1</b>	<b>1.2</b>	<b>1.3</b>
ug/L								--	<b>5500</b>	<b>2800</b>	<b>3000</b>	<b>3300</b>
ug/L	5	50	4290	20	5	130	250	--	< 0.58 U	<b>1.4 J</b>	< 0.58 U	<b>0.78 J</b>
ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
ug/L								--	<b>70000</b>	<b>28000</b>	<b>34000</b>	<b>40000</b>
ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
ug/L	100		712			100	100	--	<b>2.6</b>	<b>1.6</b>	<b>1.6</b>	<b>2</b>
ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U
ug/L	3348			8358	3348	5000		--	<b>9800</b>	<b>3000</b>	<b>82000</b>	<b>120000</b>
ug/L	6	6	129					--	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U
ug/L	2.15	10	2.15			100	200	--	<b>4.5</b>	<b>2.8</b>	<b>16</b>	<b>24</b>

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Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	ug/L	2000	2000	34900
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	ug/L	4	4	100
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	ug/L	0.72	5	65
Calcium, Total	7440-70-2	ug/L								--	ug/L			
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	ug/L	100	100	
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	ug/L	50		3130
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	ug/L	16	1300	8580
Iron, Total	7439-89-6	ug/L	601000		601000					--	ug/L	601000		601000
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	ug/L	5	15	
Magnesium, Total	7439-95-4	ug/L								--	ug/L			
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	ug/L	200		2550
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	ug/L	0.77	2	
Molybdenum, Total	7439-98-7	ug/L								--	ug/L			
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	ug/L	90		7870
Potassium, Total	7440-09-7	ug/L								--	ug/L			
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	ug/L	5	50	4290
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	ug/L	9.9		837
Sodium, Total	7440-23-5	ug/L								--	ug/L			
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	ug/L	2	2	34.3
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	ug/L	100		712
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	ug/L	219		292000
<b>General</b>														
Alkalinity	STL00171	mg/L								--	mg/L			
pH	STL00204	SU								--	SU			
Total Dissolved Solids	STL00242	mg/L								--	mg/L			
Total Hardness	STL00009	mg/L								--	mg/L			
Total Suspended Solids	STL00161	mg/L								--	mg/L			

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

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mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

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Aquatic Acute	Aquatic Chronic	Irrigation	Livestock	Location	MECT	MECT	SJ4C	SJ4C	SJ4C	SJBB
				Sample ID	MECT-081015-11	MECT-081115-11	SJ4C-081015-11	SJ4C-081115-11	SJ4C-081115-12	SJBB-081015-11
				Date	8/10/2015	8/11/2015	8/10/2015	8/11/2015	8/11/2015	8/10/2015
				Sample Time	14:15	13:45	15:05	9:52	9:52	12:40
				Latitude	37.21846	37.21846	36.99622	36.99622	36.99622	37.25737
				Longitude	-109.19081	-109.19081	-109.00468	-109.00468	-109.00468	-109.61859
8358	3348	5000		--	< 24 U	< 24 U	<b>28 J</b>	<b>25 J</b>	< 24 U	<b>200</b>
				--	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ
		100	200	--	<b>1.3</b>	<b>0.83 J</b>	<b>1</b>	<b>1.2</b>	<b>0.92 J</b>	<b>0.8 J</b>
				--	<b>85</b>	<b>68</b>	<b>68</b>	<b>65</b>	<b>60</b>	<b>77</b>
340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
				--	<b>170000</b>	<b>48000</b>	<b>48000</b>	<b>46000</b>	<b>43000</b>	<b>57000</b>
972	126	100	1000	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
		50	1000	--	<b>0.45</b>	<b>0.75</b>	<b>1.3</b>	<b>2.5</b>	<b>0.27 J</b>	<b>0.42</b>
25	16	200	500	--	<b>3 J+</b>	<b>1.9</b>	<b>2.4 J+</b>	<b>2.5</b>	<b>2.4</b>	<b>2.5 J+</b>
				--	< 17 U	< 17 U	<b>68</b>	< 17 U	< 17 U	<b>88</b>
130	5	5000	100	--	< 0.06 U	<b>0.14 J</b>	<b>0.077 J</b>	<b>0.094 J</b>	< 0.06 U	<b>0.29 J</b>
				--	<b>71000</b>	<b>5400</b>	<b>5700</b>	<b>4900</b>	<b>4700</b>	<b>7900</b>
3710	2050	200		--	<b>1.8 J</b>	<b>2.2 J</b>	<b>3.1</b>	<b>4.6</b>	< 1.2 U	<b>2.8</b>
104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
				--	<b>3.1 J-</b>	<b>1.7 J</b>	<b>1.9 J-</b>	<b>2</b>	<b>1.9 J</b>	<b>2.1 J-</b>
813	90	200	1000	--	<b>3.8</b>	<b>1</b>	<b>1.2</b>	<b>1.3</b>	<b>1.2</b>	<b>1.1</b>
				--	<b>5500</b>	<b>2800</b>	<b>3000</b>	<b>3300</b>	<b>3100</b>	<b>3100</b>
20	5	130	250	--	< 0.58 U	<b>1.4 J</b>	< 0.58 U	<b>0.78 J</b>	<b>1.7 J</b>	< 0.58 U
9.9				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
				--	<b>70000</b>	<b>28000</b>	<b>34000</b>	<b>40000</b>	<b>38000</b>	<b>27000</b>
				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
		100	100	--	<b>2.6</b>	<b>1.6</b>	<b>1.6</b>	<b>2</b>	<b>1.5</b>	<b>1.7</b>
290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U
8358	3348	5000		--	<b>9800</b>	<b>3000</b>	<b>82000</b>	<b>120000</b>	<b>110000</b>	<b>42000</b>
				--	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ
		100	200	--	<b>4.5</b>	<b>2.8</b>	<b>16</b>	<b>24</b>	<b>23</b>	<b>13</b>

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Barium, Total	7440-39-3	ug/L	2000	2000	34900					--				
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	340	150	100	100
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	2.88	0.72	10	50
Calcium, Total	7440-70-2	ug/L								--				
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	972	126	100	1000
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--			50	1000
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	25	16	200	500
Iron, Total	7439-89-6	ug/L	601000		601000					--				
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	130	5	5000	100
Magnesium, Total	7439-95-4	ug/L								--				
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	3710	2050	200	
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	104	0.77		10
Molybdenum, Total	7439-98-7	ug/L								--				
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	813	90	200	1000
Potassium, Total	7440-09-7	ug/L								--				
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	20	5	130	250
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	9.9			
Sodium, Total	7440-23-5	ug/L								--				
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--				
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--			100	100
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	290	219	2000	25000
<b>General</b>														
Alkalinity	STL00171	mg/L								--				
pH	STL00204	SU								--				
Total Dissolved Solids	STL00242	mg/L								--				
Total Hardness	STL00009	mg/L								--				
Total Suspended Solids	STL00161	mg/L								--				

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

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 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Location	MECT	MECT	SJ4C	SJ4C	SJ4C	SJBB	SJBB	SJDS	SJDS
Sample ID	MECT-081015-11	MECT-081115-11	SJ4C-081015-11	SJ4C-081115-11	SJ4C-081115-12	SJBB-081015-11	SJBB-081115-11	SJDS-081015-11	SJDS-081115-11
Date	8/10/2015	8/11/2015	8/10/2015	8/11/2015	8/11/2015	8/10/2015	8/11/2015	8/10/2015	8/11/2015
Sample Time	14:15	13:45	15:05	9:52	9:52	12:40	11:30	13:25	11:40
Latitude	37.21846	37.21846	36.99622	36.99622	36.99622	37.25737	37.25737	36.89331	36.89331
Longitude	-109.19081	-109.19081	-109.00468	-109.00468	-109.00468	-109.61859	-109.61859	-108.87864	-108.87864
--	< 24 U	< 24 U	28 J	25 J	< 24 U	200	1600	29 J	69 J
--	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U
--	1.3	0.83 J	1	1.2	0.92 J	0.8 J	1.2	0.51 J	0.97 J
--	85	68	68	65	60	77	70	64	71
--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
--	170000	48000	48000	46000	43000	57000	46000	47000	53000
--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
--	0.45	0.75	1.3	2.5	0.27 J	0.42	0.87	0.33 J	2.1
--	3 J+	1.9	2.4 J+	2.5	2.4	2.5 J+	3.2	2.4 J+	2.5
--	< 17 U	< 17 U	68	< 17 U	< 17 U	88	840	< 17 U	34 J
--	< 0.06 U	0.14 J	0.077 J	0.094 J	< 0.06 U	0.29 J	0.67	0.06 J	0.086 J
--	71000	5400	5700	4900	4700	7900	5600	5500	7000
--	1.8 J	2.2 J	3.1	4.6	< 1.2 U	2.8	13	1.7 J	5
--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
--	3.1 J-	1.7 J	1.9 J-	2	1.9 J	2.1 J-	1.9	1.8 J-	2 J
--	3.8	1	1.2	1.3	1.2	1.1	1.4	1.2	1.3
--	5500	2800	3000	3300	3100	3100	3400	3000	3100
--	< 0.58 U	1.4 J	< 0.58 U	0.78 J	1.7 J	< 0.58 U	1.3 J	< 0.58 U	0.97 J
--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
--	70000	28000	34000	40000	38000	27000	37000	34000	36000
--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
--	2.6	1.6	1.6	2	1.5	1.7	3.7	1.5	1.8
--	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U	4.9 J	< 2.8 U	< 2.8 U
--	9800	3000	82000	120000	110000	42000	110000	79000	64000
--	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U
--	4.5	2.8	16	24	23	13	21	15	12

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	--	<b>180</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	--	<b>0.53</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	--	<b>0.1</b>
Calcium, Total	7440-70-2	ug/L								--	--	<b>190000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	--	<b>7.5</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	--	<b>3.4</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	--	<b>9.5 B</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	--	<b>7400</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	--	<b>7</b>
Magnesium, Total	7439-95-4	ug/L								--	--	<b>77000</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	--	<b>310</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	--	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L								--	--	<b>3.6 J-</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	--	<b>9.9</b>
Potassium, Total	7440-09-7	ug/L								--	--	<b>9000</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	--	<b>2.9 J+</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	--	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	--	<b>72000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	--	<b>0.17 J</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	--	<b>20</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	--	<b>28</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	--	<b>220</b>
pH	STL00204	SU								--	--	<b>8.38 J</b>
Total Dissolved Solids	STL00242	mg/L								--	--	<b>1100</b>
Total Hardness	STL00009	mg/L								--	--	<b>800</b>
Total Suspended Solids	STL00161	mg/L								--	--	<b>430</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		Recreational RSL		Aquatic Acute	Location	MECT	SJ4C
										Sample ID	MECT-081115-11	SJ4C-081015-11
										Date	8/11/2015	8/10/2015
										Sample Time	13:45	15:05
										Latitude	37.21846	36.99622
										Longitude	-109.19081	-109.00468
Metals, Dissolved												
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	< 24 U	28 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	0.83 J	1
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	68	68
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	48000	48000
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	0.75	1.3
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	1.9	2.4 J+
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	< 17 U	68
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	0.14 J	0.077 J
Magnesium, Dissolved	7439-95-4	ug/L								--	5400	5700
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	2.2 J	3.1
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.7 J	1.9 J-
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	1	1.2
Potassium, Dissolved	7440-09-7	ug/L								--	2800	3000
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	1.4 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	28000	34000
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	1.6	1.6
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	< 2.8 U
Metals, Total												
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	3000	82000
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	2.8	16

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>290</b>	<b>810</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>1.9</b>	<b>4.5</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	<b>0.18</b>	<b>0.32</b>
Calcium, Total	7440-70-2	ug/L								--	<b>77000</b>	<b>84000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 U	<b>44</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>7.6</b>	<b>31</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>15</b>	<b>74 B</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>1400</b>	<b>70000</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>11</b>	<b>71</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>8300</b>	<b>23000</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>700</b>	<b>1400</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	<b>0.17 J</b>
Molybdenum, Total	7439-98-7	ug/L								--	<b>0.68 J</b>	<b>1.5 J-</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>5.2</b>	<b>40</b>
Potassium, Total	7440-09-7	ug/L								--	<b>3900</b>	<b>16000</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>1.2 J</b>	<b>4.2 J+</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	<b>0.42 J</b>
Sodium, Total	7440-23-5	ug/L								--	<b>30000</b>	<b>36000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	<b>0.81</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>12</b>	<b>110</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>29</b>	<b>220</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>92</b>	<b>83</b>
pH	STL00204	SU								--	<b>8.23 J</b>	<b>8.22 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>310</b>	<b>390</b>
Total Hardness	STL00009	mg/L								--	<b>230</b>	<b>300</b>
Total Suspended Solids	STL00161	mg/L								--	<b>2700</b>	<b>4000</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		Recreational RSL		Aquatic Acute	Location	SJ4C	SJ4C
										Sample ID	SJ4C-081115-11	SJ4C-081115-12
										Date	8/11/2015	8/11/2015
										Sample Time	9:52	9:52
										Latitude	36.99622	36.99622
										Longitude	-109.00468	-109.00468
Metals, Dissolved												
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	25 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	1.2	0.92 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	65	60
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	46000	43000
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	2.5	0.27 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	2.5	2.4
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	0.094 J	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--	4900	4700
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	4.6	< 1.2 U
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L								--	2	1.9 J
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	1.3	1.2
Potassium, Dissolved	7440-09-7	ug/L								--	3300	3100
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	0.78 J	1.7 J
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	40000	38000
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	2	1.5
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	< 2.8 U
Metals, Total												
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	120000	110000
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	24	23



Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>1200</b>	<b>1100</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>7.4</b>	<b>7.1</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	<b>0.31</b>	<b>0.35</b>
Calcium, Total	7440-70-2	ug/L								--	<b>100000</b>	<b>99000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	<b>55</b>	<b>53</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>48</b>	<b>46</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>120</b>	<b>110</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>91000</b>	<b>86000</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>89</b>	<b>84</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>28000</b>	<b>27000</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>2000</b>	<b>2000</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	<b>0.15 J</b>	<b>0.16 J</b>
Molybdenum, Total	7439-98-7	ug/L								--	<b>0.99 J</b>	<b>0.96 J</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>55</b>	<b>52</b>
Potassium, Total	7440-09-7	ug/L								--	<b>19000</b>	<b>18000</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>5.2</b>	<b>4.2</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	<b>0.55 J</b>	<b>0.52 J</b>
Sodium, Total	7440-23-5	ug/L								--	<b>43000</b>	<b>41000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	<b>1.2</b>	<b>1.1</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>130</b>	<b>130</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>270</b>	<b>250</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>97</b>	<b>96</b>
pH	STL00204	SU								--	<b>8.2 J</b>	<b>8.19 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>140</b>	<b>350</b>
Total Hardness	STL00009	mg/L								--	<b>380</b>	<b>360</b>
Total Suspended Solids	STL00161	mg/L								--	<b>6700</b>	<b>5200</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		Recreational RSL		Aquatic Acute	Location	SJBB	SJBB
										Sample ID	SJBB-081015-11	SJBB-081115-11
										Date	8/10/2015	8/11/2015
										Sample Time	12:40	11:30
										Latitude	37.25737	37.25737
										Longitude	-109.61859	-109.61859
Metals, Dissolved												
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	200	1600
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	0.8 J	1.2
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	77	70
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	57000	46000
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	0.42	0.87
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	2.5 J+	3.2
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	88	840
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	0.29 J	0.67
Magnesium, Dissolved	7439-95-4	ug/L								--	7900	5600
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	2.8	13
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L								--	2.1 J-	1.9
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	1.1	1.4
Potassium, Dissolved	7440-09-7	ug/L								--	3100	3400
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	< 0.58 U	1.3 J
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	27000	37000
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	1.7	3.7
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	4.9 J
Metals, Total												
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	42000	110000
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	13	21

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>610</b>	<b>1000</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>2.4</b>	<b>6.3</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	<b>0.27</b>	<b>0.33</b>
Calcium, Total	7440-70-2	ug/L								--	<b>100000</b>	<b>99000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	<b>25</b>	<b>50</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>18</b>	<b>42</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>56 B</b>	<b>100</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>39000</b>	<b>85000</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>120</b>	<b>82</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>21000</b>	<b>27000</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>950</b>	<b>1800</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	<b>0.12 J</b>
Molybdenum, Total	7439-98-7	ug/L								--	<b>2.3 J-</b>	<b>1</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>26</b>	<b>49</b>
Potassium, Total	7440-09-7	ug/L								--	<b>11000</b>	<b>17000</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>3.9 J+</b>	<b>3.8</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	<b>0.86 J</b>	<b>0.51 J</b>
Sodium, Total	7440-23-5	ug/L								--	<b>29000</b>	<b>40000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	<b>0.48</b>	<b>1</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>63</b>	<b>120</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>160</b>	<b>250</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>94</b>	<b>97</b>
pH	STL00204	SU								--	<b>8.2 J</b>	<b>8.23 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>380</b>	<b>330</b>
Total Hardness	STL00009	mg/L								--	<b>340</b>	<b>360</b>
Total Suspended Solids	STL00161	mg/L								--	<b>2300</b>	<b>5100</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		Recreational RSL		Aquatic Acute	Location	SJDS	SJDS
										Sample ID	SJDS-081015-11	SJDS-081115-11
										Date	8/10/2015	8/11/2015
										Sample Time	13:25	11:40
										Latitude	36.89331	36.89331
										Longitude	-108.87864	-108.87864
Metals, Dissolved												
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	29 J	69 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	0.51 J	0.97 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	64	71
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	47000	53000
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	0.33 J	2.1
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	2.4 J+	2.5
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	< 17 U	34 J
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	0.06 J	0.086 J
Magnesium, Dissolved	7439-95-4	ug/L								--	5500	7000
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	1.7 J	5
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.8 J-	2 J
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	1.2	1.3
Potassium, Dissolved	7440-09-7	ug/L								--	3000	3100
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	< 0.58 U	0.97 J
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	34000	36000
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	1.5	1.8
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	< 2.8 U
Metals, Total												
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	79000	64000
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	15	12

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>810</b>	<b>620</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>4.5</b>	<b>3.6</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	<b>0.31</b>	<b>0.29</b>
Calcium, Total	7440-70-2	ug/L								--	<b>81000</b>	<b>81000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	<b>39</b>	<b>32</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>29</b>	<b>24</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>74 B</b>	<b>59</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>67000</b>	<b>53000</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>69</b>	<b>58</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>22000</b>	<b>21000</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>1300</b>	<b>1000</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	<b>0.1 J</b>	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L								--	<b>1.2 J-</b>	<b>1.2 J</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>38</b>	<b>30</b>
Potassium, Total	7440-09-7	ug/L								--	<b>15000</b>	<b>13000</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>3.3 J+</b>	<b>3.4</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	<b>0.44 J</b>	<b>0.32 J</b>
Sodium, Total	7440-23-5	ug/L								--	<b>38000</b>	<b>39000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	<b>0.74</b>	<b>0.63</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>98</b>	<b>82</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>210</b>	<b>160</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>93</b>	<b>100</b>
pH	STL00204	SU								--	<b>8.17 J</b>	<b>8.28 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>340</b>	<b>340</b>
Total Hardness	STL00009	mg/L								--	<b>290</b>	<b>290</b>
Total Suspended Solids	STL00161	mg/L								--	<b>4300</b>	<b>2600</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg



Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		Recreational RSL		Aquatic Acute		Location	SJFP	SJFP
											Sample ID	SJFP-081015-11	SJFP-081115-11
											Date	8/10/2015	8/11/2015
											Sample time	10:35	13:45
											Latitude	36.74816	36.74816
											Longitude	-108.41202	-108.41202
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	< 24 U	< 24 U	
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	1.3 J-	< 0.4 U	
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	0.7 J	0.56 J	
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	68	74	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U	
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	
Calcium, Dissolved	7440-70-2	ug/L								--	50000	56000	
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 U	< 1 U	
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	0.24 J	1.4	
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	1.5 J+	1.8	
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	< 17 U	< 17 U	
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	< 0.06 U	< 0.06 U	
Magnesium, Dissolved	7439-95-4	ug/L								--	6700	7400	
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	7.3	18	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U	
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.3 J-	1.3	
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	1	1.1	
Potassium, Dissolved	7440-09-7	ug/L								--	2300	2400	
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	< 0.58 U	< 0.58 U	
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U	
Sodium, Dissolved	7440-23-5	ug/L								--	19000	20000	
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U	
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	0.99 J	1	
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	10000	9200	
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 UJ	< 0.4 U	
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	4.3	3	

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>170</b>	<b>270</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>0.6</b>	<b>0.57</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L								--	<b>56000</b>	<b>61000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	<b>8</b>	<b>5.6</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>3.9</b>	<b>4.4</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>13 B</b>	<b>12</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>8700</b>	<b>8300</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>18</b>	<b>16</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>9000</b>	<b>9400</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>210</b>	<b>270</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L								--	<b>1.5 J-</b>	<b>1.4</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>6.2</b>	<b>6.2</b>
Potassium, Total	7440-09-7	ug/L								--	<b>4400</b>	<b>4500</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>2.3 J+</b>	<b>1 J</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	<b>0.13 J</b>	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	<b>19000</b>	<b>20000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	<b>0.12 J</b>	<b>0.11 J</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>16</b>	<b>15</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>38</b>	<b>42</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>98</b>	<b>92</b>
pH	STL00204	SU								--	<b>8.19 J</b>	<b>8.27 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>270</b>	<b>300</b>
Total Hardness	STL00009	mg/L								--	<b>180</b>	<b>190</b>
Total Suspended Solids	STL00161	mg/L								--	<b>840</b>	<b>640</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		Recreational RSL		Aquatic Acute	Location	SJHB	SJHB
										Sample ID	SJHB-081015-11	SJHB-081015-12
										Date	8/10/2015	8/10/2015
										Sample Time	11:25	11:25
										Latitude	36.74519	36.74519
										Longitude	-108.53776	-108.53776
Metals, Dissolved												
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	< 0.4 UJ	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	0.67 J	0.99 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	69	67
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	51000	50000
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	0.35 J	0.16 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	2.1 J+	1.4 J+
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--	6800	6700
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	2.7	2.1 J
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.3 J-	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	0.98 J	1.2
Potassium, Dissolved	7440-09-7	ug/L								--	2300	2300
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	19000	18000
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	0.96 J	0.89 J
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	< 2.8 U
Metals, Total												
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	13000	13000
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	3.8	3.7

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>260</b>	<b>240</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>0.89</b>	<b>0.78</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	<b>0.056 J</b>	<b>0.054 J</b>
Calcium, Total	7440-70-2	ug/L								--	<b>60000</b>	<b>57000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	<b>9.7</b>	<b>10</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>6.2</b>	<b>5.4</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>16 B</b>	<b>16 B</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>11000</b>	<b>11000</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>22</b>	<b>22</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>9600</b>	<b>9500</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>400 J</b>	<b>290 J</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L								--	<b>1.5 J-</b>	<b>1.5 J-</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>8.5</b>	<b>8.1</b>
Potassium, Total	7440-09-7	ug/L								--	<b>5000</b>	<b>5100</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>2.3 J+</b>	<b>2 J+</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	<b>0.14 J</b>	<b>0.15 J</b>
Sodium, Total	7440-23-5	ug/L								--	<b>19000</b>	<b>19000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	<b>0.15 J</b>	<b>0.15 J</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>21</b>	<b>20</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>55</b>	<b>51</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>90</b>	<b>90</b>
pH	STL00204	SU								--	<b>8.15 J</b>	<b>8.16 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>260</b>	<b>260</b>
Total Hardness	STL00009	mg/L								--	<b>190</b>	<b>180</b>
Total Suspended Solids	STL00161	mg/L								--	<b>880</b>	<b>1000</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		Recreational RSL		Aquatic Acute	Location	SJHB	SJLP
										Sample ID	SJHB-081115-11	SJLP-081015-11
										Date	8/11/2015	8/10/2015
										Sample Time	13:05	9:40
										Latitude	36.74519	36.73589
Longitude	-108.53776	-108.25399										
Metals, Dissolved												
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	1800	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	0.4 J	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	1.9	0.56 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	160	70
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	40000	50000
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	1.2 J	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	1.4	0.52
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	3.4	1.3 J+
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	840	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	0.56	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--	6800	6500
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	16	9.7
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L								--	2.6 J	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	1.8	1.1
Potassium, Dissolved	7440-09-7	ug/L								--	4200	2300
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	52000	17000
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	11	0.92 J
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	< 2.8 U
Metals, Total												
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	270000	12000
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	26	3.6

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>2600 J</b>	<b>260</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>12</b>	<b>0.7</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	<b>0.45</b>	<b>0.14</b>
Calcium, Total	7440-70-2	ug/L								--	<b>280000</b>	<b>56000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	<b>150</b>	<b>8.3</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>73</b>	<b>5.2</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>110</b>	<b>15 B</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>140000</b>	<b>11000</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>130</b>	<b>21</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>94000</b>	<b>9300</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>3400</b>	<b>270</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	<b>0.2</b>	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L								--	<b>2 J</b>	<b>1.4 J-</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>140</b>	<b>7.7</b>
Potassium, Total	7440-09-7	ug/L								--	<b>73000</b>	<b>4900</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>6</b>	< 0.58 U
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	<b>0.63 J</b>	<b>0.13 J</b>
Sodium, Total	7440-23-5	ug/L								--	<b>65000</b>	<b>18000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	<b>1.8</b>	<b>0.14 J</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>230</b>	<b>19</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>340</b>	<b>50</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>110</b>	<b>88</b>
pH	STL00204	SU								--	<b>8.3 J</b>	<b>8.18 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>350</b>	<b>260</b>
Total Hardness	STL00009	mg/L								--	<b>1100</b>	<b>180</b>
Total Suspended Solids	STL00161	mg/L								--	<b>6300</b>	<b>1400</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.



Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		Recreational RSL		Aquatic Acute	Location	SJLP	SJMC
										Sample ID	SJLP-081115-11	SJMC-081015-11
										Date	8/11/2015	8/10/2015
										Sample Time	14:25	13:35
										Latitude	36.73589	37.25823
Longitude	-108.25399	-109.31060										
Metals, Dissolved												
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	32 J	< 24 UJ
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	0.96 J	0.88 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	67	73
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	50000	54000
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	2	0.12 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	2.3	2.5 J+
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	< 17 U	< 17 UJ
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	0.064 J	< 0.06 UJ
Magnesium, Dissolved	7439-95-4	ug/L								--	6600	7400
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	3.6	< 1.2 UJ
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L								--	2 J	2 J-
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	1.4	1.2
Potassium, Dissolved	7440-09-7	ug/L								--	3100	2900
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	0.85 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	35000	30000
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	1.9	1.8 J
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	< 2.8 UJ
Metals, Total												
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	97000	69000
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	19	14

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>890</b>	<b>730</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>5.5</b>	<b>3.6</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	<b>0.23</b>	<b>0.26</b>
Calcium, Total	7440-70-2	ug/L								--	<b>98000</b>	<b>97000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	<b>47</b>	<b>37</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>36</b>	<b>25</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>85</b>	<b>64 B</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>75000</b>	<b>58000</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>76</b>	<b>76</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>28000</b>	<b>24000</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>1600</b>	<b>1200</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L								--	<b>1.4 J</b>	<b>2.1 J-</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>43</b>	<b>35</b>
Potassium, Total	7440-09-7	ug/L								--	<b>18000</b>	<b>14000</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>3.9</b>	<b>4.5 J+</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	<b>0.44 J</b>	<b>0.49 J</b>
Sodium, Total	7440-23-5	ug/L								--	<b>39000</b>	<b>32000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	<b>0.95</b>	<b>0.68</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>120</b>	<b>92</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>230</b>	<b>190</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>110</b>	<b>97</b>
pH	STL00204	SU								--	<b>8.28 J</b>	<b>8.22 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>330</b>	<b>360</b>
Total Hardness	STL00009	mg/L								--	<b>360</b>	<b>340</b>
Total Suspended Solids	STL00161	mg/L								--	<b>3700</b>	<b>3200</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Analyte	CAS.NO	Units	PCL			Drinking Water MCL		Recreational RSL		Aquatic Acute	Location	SJMC	SJMC
											Sample ID	SJMC-081015-12	SJMC-081115-11
											Date	8/10/2015	8/11/2015
											Sample Time	13:40	12:20
											Latitude	37.25823	37.25823
											Longitude	-109.31060	-109.31060
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	2300 J	< 24 U	
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	< 0.4 UJ	< 0.4 U	
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	1.2	1.3	
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	94	86	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U	
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	
Calcium, Dissolved	7440-70-2	ug/L								--	58000	180000	
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	2	< 1 U	
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	0.92	1.4	
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	4.8 J+	2.5	
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	1800 J	< 17 U	
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	2.8	< 0.06 U	
Magnesium, Dissolved	7439-95-4	ug/L								--	8400	75000	
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	36	3.7	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U	
Molybdenum, Dissolved	7439-98-7	ug/L								--	2.2 J-	3.4	
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	2.4	3.7	
Potassium, Dissolved	7440-09-7	ug/L								--	3500	6000	
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	< 0.58 U	2	
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U	
Sodium, Dissolved	7440-23-5	ug/L								--	33000	75000	
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U	
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	6	2.3	
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	8.1 J	< 2.8 U	
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	59000	10000	
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 UJ	< 0.4 U	
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	13	4.9	

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>700</b>	<b>180</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>3.6</b>	<b>0.59</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	<b>0.34</b>	<b>0.22</b>
Calcium, Total	7440-70-2	ug/L								--	<b>100000</b>	<b>210000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	<b>33</b>	<b>8</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>24</b>	<b>3.9</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>64 B</b>	<b>11</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>51000</b>	<b>8400</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>77</b>	<b>7.6</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>23000</b>	<b>79000</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>1200</b>	<b>310</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L								--	<b>1.6 J-</b>	<b>4.5</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>33</b>	<b>13</b>
Potassium, Total	7440-09-7	ug/L								--	<b>12000</b>	<b>9400</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>3.3 J+</b>	<b>3.3</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	<b>0.52 J</b>	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	<b>34000</b>	<b>75000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	<b>0.64</b>	<b>0.26</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>80</b>	<b>24</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>180</b>	<b>36</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>98</b>	<b>210</b>
pH	STL00204	SU								--	<b>8.22 J</b>	<b>8.32 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>350</b>	<b>1100</b>
Total Hardness	STL00009	mg/L								--	<b>340</b>	<b>840</b>
Total Suspended Solids	STL00161	mg/L								--	<b>2800</b>	<b>550</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Analyte	CAS.NO	Units	PCL			Drinking Water MCL		Recreational RSL		Aquatic Acute	Aquatic Chronic		
											Location	SJME	SJME
											Sample ID	SJME-081015-11	SJME-081115-11
											Date	8/10/2015	8/11/2015
											Sample Time	14:40	13:30
											Latitude	37.21681	37.21681
Longitude	-109.19615	-109.19615											
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358		3348	5000		--	2200	< 24 UJ
Antimony, Dissolved	7440-36-0	ug/L	6	6	129						--	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15				100	200	--	1.3	0.72 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900						--	92	80 J
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100		--	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50		--	< 0.043 U	0.047 J
Calcium, Dissolved	7440-70-2	ug/L									--	53000	59000
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000		--	1.9 J	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000		--	0.83	1.3 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500		--	4.5 J+	1.5 J
Iron, Dissolved	7439-89-6	ug/L	601000		601000						--	1600	< 17 UJ
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100		--	2.1	< 0.06 UJ
Magnesium, Dissolved	7439-95-4	ug/L									--	6700	7900
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200			--	31	10 J
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10		--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L									--	2.1 J-	1.4
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000		--	2.3	1.3 J
Potassium, Dissolved	7440-09-7	ug/L									--	3400	2400 J
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250		--	< 0.58 U	0.77 J
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9					--	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L									--	32000	22000
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3						--	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100		--	6.2	0.88 J
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000		--	7.1 J	< 2.8 UJ
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348			8358		3348	5000		--	78000	5600 J
Antimony, Total	7440-36-0	ug/L	6	6	129						--	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15				100	200	--	15	1.7



Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>830</b>	<b>170 J</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>4.4</b>	<b>0.31 J</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	<b>0.31</b>	< 0.043 U
Calcium, Total	7440-70-2	ug/L								--	<b>96000</b>	<b>62000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	<b>41</b>	<b>4.1</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>30</b>	<b>2.3</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>79 B</b>	<b>7.7 J</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>66000</b>	<b>4800 J</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>78</b>	<b>10 J</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>24000</b>	<b>9100</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>1400</b>	<b>130 J</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	<b>0.096 J</b>	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L								--	<b>1.6 J-</b>	<b>1.4</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>41</b>	<b>3.9 J</b>
Potassium, Total	7440-09-7	ug/L								--	<b>15000</b>	<b>3600 J</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>3.6 J+</b>	<b>2.6</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	<b>0.54 J</b>	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	<b>35000</b>	<b>22000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	<b>0.78</b>	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>99</b>	<b>9.2</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>220</b>	<b>23 J</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>92</b>	<b>98</b>
pH	STL00204	SU								--	<b>8.2 J</b>	<b>8.27 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>370</b>	<b>280</b>
Total Hardness	STL00009	mg/L								--	<b>340</b>	<b>190</b>
Total Suspended Solids	STL00161	mg/L								--	<b>3200</b>	<b>180 J</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Hingeback		Analyte	CAS.NO	Units	PCL		Drinking Water MCL		Recreational RSL		Location	SJME	SJMH
											Sample ID	SJME-081115-12	SJMH-081015-11
											Date	8/11/2015	8/10/2015
											Sample Time	13:35	11:35
											Latitude	37.21681	37.14999
											Longitude	-109.19615	-109.86628
Metals, Dissolved													
Aluminum, Dissolved		7429-90-5	ug/L	3348			8358	3348	5000		--	9300 J	31 J
Antimony, Dissolved		7440-36-0	ug/L	6	6	129					--	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved		7440-38-2	ug/L	2.15	10	2.15			100	200	--	3.1 J	1.6
Barium, Dissolved		7440-39-3	ug/L	2000	2000	34900					--	270 J	150
Beryllium, Dissolved		7440-41-7	ug/L	4	4	100	340	150	100	100	--	0.61 J	< 0.15 U
Cadmium, Dissolved		7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	0.051 J	< 0.043 U
Calcium, Dissolved		7440-70-2	ug/L								--	65000	51000
Chromium, Dissolved		7440-47-3	ug/L	100	100		972	126	100	1000	--	6.1 J	< 1 U
Cobalt, Dissolved		7440-48-4	ug/L	50		3130			50	1000	--	4.7 J	1.7
Copper, Dissolved		7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	12 J	2.6 J+
Iron, Dissolved		7439-89-6	ug/L	601000		601000					--	8700 J	< 17 U
Lead, Dissolved		7439-92-1	ug/L	5	15		130	5	5000	100	--	17 J	< 0.06 U
Magnesium, Dissolved		7439-95-4	ug/L								--	10000 J	8000
Manganese, Dissolved		7439-96-5	ug/L	200		2550	3710	2050	200		--	320 J	3.1
Mercury, Dissolved		7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U
Molybdenum, Dissolved		7439-98-7	ug/L								--	1.4	2.5 J-
Nickel, Dissolved		7440-02-0	ug/L	90		7870	813	90	200	1000	--	6.6 J	1.5
Potassium, Dissolved		7440-09-7	ug/L								--	4600 J	3900
Selenium, Dissolved		7782-49-2	ug/L	5	50	4290	20	5	130	250	--	0.97 J	< 0.58 U
Silver, Dissolved		7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U
Sodium, Dissolved		7440-23-5	ug/L								--	21000	43000
Thallium, Dissolved		7440-28-0	ug/L	2	2	34.3					--	0.11 J	< 0.1 U
Vanadium, Dissolved		7440-62-2	ug/L	100		712			100	100	--	16 J	7.3
Zinc, Dissolved		7440-66-6	ug/L	219		292000	290	219	2000	25000	--	42 J	< 2.8 U
Metals, Total													
Aluminum, Total		7429-90-5	ug/L	3348			8358	3348	5000		--	< 24 UJ	210000
Antimony, Total		7440-36-0	ug/L	6	6	129					--	< 0.4 U	< 0.4 UJ
Arsenic, Total		7440-38-2	ug/L	2.15	10	2.15			100	200	--	0.99 J	22

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>81 J</b>	<b>2200 J</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 UJ	<b>10</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	<b>0.62</b>
Calcium, Total	7440-70-2	ug/L								--	<b>60000</b>	<b>360000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 UJ	<b>110</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>0.29 J</b>	<b>59</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>1.6 J</b>	<b>94 B</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	< 17 UJ	<b>110000</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	< 0.06 UJ	<b>90</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>8200 J</b>	<b>83000</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>3.4 J</b>	<b>3500</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	<b>0.12 J</b>
Molybdenum, Total	7439-98-7	ug/L								--	<b>1.4</b>	<b>2.4 J-</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>1.1 J</b>	<b>120</b>
Potassium, Total	7440-09-7	ug/L								--	<b>2500 J</b>	<b>58000</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>0.94 J</b>	<b>4.9 J+</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	<b>0.46 J</b>
Sodium, Total	7440-23-5	ug/L								--	<b>21000</b>	<b>51000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	<b>1.6</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>0.88 J</b>	<b>190</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 UJ	<b>290</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>98</b>	<b>110</b>
pH	STL00204	SU								--	<b>8.25 J</b>	<b>8.17 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>290</b>	<b>370</b>
Total Hardness	STL00009	mg/L								--	<b>180</b>	<b>1200</b>
Total Suspended Solids	STL00161	mg/L								--	<b>660 J</b>	<b>7400</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Hingeback		Analyte	CAS.NO	Units	PCL		Drinking Water MCL		Recreational RSL		Location	SJMH	SJSR
											Sample ID	SJMH-081115-11	SJSR-081015-11
											Date	8/11/2015	8/10/2015
											Sample Time	10:35	12:10
											Latitude	37.14999	36.78162
											Longitude	-109.86628	-108.69278
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	24 J	< 24 U	
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	< 0.4 U	< 0.4 UJ	
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	0.88 J	0.86 J	
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	65	66	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	< 0.15 U	
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	
Calcium, Dissolved	7440-70-2	ug/L								--	46000	48000	
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 U	< 1 U	
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	2.6	1.5	
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	2.4	2 J+	
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	< 17 U	< 17 U	
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	0.084 J	< 0.06 U	
Magnesium, Dissolved	7439-95-4	ug/L								--	5300	5600	
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	4.7	2.9	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	< 0.08 U	
Molybdenum, Dissolved	7439-98-7	ug/L								--	2	1.7 J-	
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	1.3	1.2	
Potassium, Dissolved	7440-09-7	ug/L								--	3100	2900	
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	1.6 J	< 0.58 U	
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	< 0.1 U	
Sodium, Dissolved	7440-23-5	ug/L								--	37000	30000	
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	< 0.1 U	
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	1.8	1.5	
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	110000	81000	
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 U	< 0.4 UJ	
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	22	15	

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>1000</b>	<b>830</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>6.4</b>	<b>4.4</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	<b>0.29</b>	<b>0.22</b>
Calcium, Total	7440-70-2	ug/L								--	<b>99000</b>	<b>84000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	<b>51</b>	<b>40</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>42</b>	<b>30</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>100</b>	<b>70 B</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>86000</b>	<b>65000</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>82</b>	<b>62</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>28000</b>	<b>21000</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>1800</b>	<b>1300</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	<b>0.11 J</b>	<b>0.1 J</b>
Molybdenum, Total	7439-98-7	ug/L								--	<b>1</b>	<b>1.4 J-</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>50</b>	<b>36</b>
Potassium, Total	7440-09-7	ug/L								--	<b>18000</b>	<b>14000</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>4.5</b>	<b>3.5 J+</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	<b>0.5 J</b>	<b>0.36 J</b>
Sodium, Total	7440-23-5	ug/L								--	<b>41000</b>	<b>33000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	<b>1</b>	<b>0.74</b>
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>130</b>	<b>100</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>250</b>	<b>180</b>
<b>General</b>												
Alkalinity	STL00171	mg/L								--	<b>97</b>	<b>95</b>
pH	STL00204	SU								--	<b>8.24 J</b>	<b>8.19 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>350</b>	<b>330</b>
Total Hardness	STL00009	mg/L								--	<b>360</b>	<b>300</b>
Total Suspended Solids	STL00161	mg/L								--	<b>4600</b>	<b>3300</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg



Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Recycling Material MCL		Analyte	CAS.NO	Units	PCL						Location	SJSR
											Sample ID	SJSR-081115-11
											Date	8/11/2015
											Sample Time	12:35
											Latitude	36.78162
											Longitude	-108.69278
Metals, Dissolved												
Aluminum, Dissolved	7429-90-5	ug/L	3348			8358	3348	5000		--	< 24 U	
Antimony, Dissolved	7440-36-0	ug/L	6	6	129					--	< 0.4 U	
Arsenic, Dissolved	7440-38-2	ug/L	2.15	10	2.15			100	200	--	0.94 J	
Barium, Dissolved	7440-39-3	ug/L	2000	2000	34900					--	73	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	100	340	150	100	100	--	< 0.15 U	
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	< 0.043 U	
Calcium, Dissolved	7440-70-2	ug/L								--	52000	
Chromium, Dissolved	7440-47-3	ug/L	100	100		972	126	100	1000	--	< 1 U	
Cobalt, Dissolved	7440-48-4	ug/L	50		3130			50	1000	--	1.9	
Copper, Dissolved	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	1.7	
Iron, Dissolved	7439-89-6	ug/L	601000		601000					--	< 17 U	
Lead, Dissolved	7439-92-1	ug/L	5	15		130	5	5000	100	--	< 0.06 U	
Magnesium, Dissolved	7439-95-4	ug/L								--	6500	
Manganese, Dissolved	7439-96-5	ug/L	200		2550	3710	2050	200		--	4	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U	
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.6 J	
Nickel, Dissolved	7440-02-0	ug/L	90		7870	813	90	200	1000	--	1.2	
Potassium, Dissolved	7440-09-7	ug/L								--	2800	
Selenium, Dissolved	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	0.75 J	
Silver, Dissolved	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U	
Sodium, Dissolved	7440-23-5	ug/L								--	26000	
Thallium, Dissolved	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U	
Vanadium, Dissolved	7440-62-2	ug/L	100		712			100	100	--	1.3	
Zinc, Dissolved	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	< 2.8 U	
Metals, Total												
Aluminum, Total	7429-90-5	ug/L	3348			8358	3348	5000		--	3100	
Antimony, Total	7440-36-0	ug/L	6	6	129					--	< 0.4 U	
Arsenic, Total	7440-38-2	ug/L	2.15	10	2.15			100	200	--	2.6	

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Barium, Total	7440-39-3	ug/L	2000	2000	34900					--	<b>240</b>
Beryllium, Total	7440-41-7	ug/L	4	4	100	340	150	100	100	--	<b>1.3</b>
Cadmium, Total	7440-43-9	ug/L	0.72	5	65	2.88	0.72	10	50	--	<b>0.16</b>
Calcium, Total	7440-70-2	ug/L								--	<b>68000</b>
Chromium, Total	7440-47-3	ug/L	100	100		972	126	100	1000	--	<b>1 J</b>
Cobalt, Total	7440-48-4	ug/L	50		3130			50	1000	--	<b>5.6</b>
Copper, Total	7440-50-8	ug/L	16	1300	8580	25	16	200	500	--	<b>13</b>
Iron, Total	7439-89-6	ug/L	601000		601000					--	<b>1500</b>
Lead, Total	7439-92-1	ug/L	5	15		130	5	5000	100	--	<b>9.9</b>
Magnesium, Total	7439-95-4	ug/L								--	<b>8200</b>
Manganese, Total	7439-96-5	ug/L	200		2550	3710	2050	200		--	<b>500</b>
Mercury, Total	7439-97-6	ug/L	0.77	2		104	0.77		10	--	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L								--	<b>0.63 J</b>
Nickel, Total	7440-02-0	ug/L	90		7870	813	90	200	1000	--	<b>4.2</b>
Potassium, Total	7440-09-7	ug/L								--	<b>3400</b>
Selenium, Total	7782-49-2	ug/L	5	50	4290	20	5	130	250	--	<b>0.6 J</b>
Silver, Total	7440-22-4	ug/L	9.9		837	9.9				--	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	<b>26000</b>
Thallium, Total	7440-28-0	ug/L	2	2	34.3					--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	100		712			100	100	--	<b>9.8</b>
Zinc, Total	7440-66-6	ug/L	219		292000	290	219	2000	25000	--	<b>24</b>
<b>General</b>											
Alkalinity	STL00171	mg/L								--	<b>93</b>
pH	STL00204	SU								--	<b>8.2 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>290</b>
Total Hardness	STL00009	mg/L								--	<b>200</b>
Total Suspended Solids	STL00161	mg/L								--	<b>1400</b>

**Bold - Bolded results identify a detected value.**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg